

HIGH-ENERGY CASCADING OF ABRASIVE WEAR COMPONENTS

ABSTRACT OF THE DISCLOSURE

In accordance with the present invention, a method for manufacturing tungsten carbide components is provided. The method includes forming a composite material out of tungsten carbide powder and binder powder, pressing the composite material into a plurality of components, heating the plurality of components, optionally under pressure, to liquefy the binder, cooling the plurality of components until the binder solidifies, optionally grinding each of the plurality of components to a desired size, and cascading the plurality of components in a cascading machine under high energy conditions.